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This Journal was founded in 1876 as the Zeitschrift für Anatomie und Entwicklungsgeschichte, edited by W. His and W. Braune and published by F.C.W. Vogel in Leipzig. After its second year, in 1877, the Journal became the Anatomische Abteilung of the Archiv für Anatomie und Physiologie, edited by His and Braune and published by Veit & Co. in Leipzig. From 1892 through 1903 His was the sole editor. In 1904 W. Waldeyer became the editor. From 1913 until 1919 it appeared as Archiv für Anatomie, edited by W. von Waldeyer-Hartz, H. Virchow and P. Röthig. It was published until 1915 by Veit & Co. in Leipzig and later by de Gruyter & Co. in Berlin.

After 1919 publication was suspended, but in 1921 the Archiv für Anatomie merged with Anatomische Hefte to become Abteilung 1 of the Zeitschrift für die gesamte Anatomie. Anatomische Hefte had begun in 1892 with F. Merkel and R. Bonnet as editors and J.F. Bergmann as publisher in Wiesbaden. In 1919 E. Kallius and F. Heiderich became the editors and Bergmann moved to Munich. Fifty nine volumes had been published by 1920. When the Journals combined in 1921, the numbering of the volumes continued the unbroken sequence of Anatomische Hefte, but the name adopted was the original name of the older Journal. Therefore, the Zeitschrift für Anatomie und Entwicklungsgeschichte (Abteilung 1 of the Zeitschrift für die gesamte Anatomie) re-appeared as volume 60 in 1921. J.F. Bergmann, Munich and J. Springer, Berlin were the joint publishers. The editors were coopted from both parent Journals – Waldeyer-Hartz and Kallius, with the addition of H. Braus for the first three volumes. From volume 63 to volume 76 inclusive, Kallius and Braus were the editors and from volume 77 to volume 103 Kallius was the sole editor. From volume 88 onwards Springer became the sole publisher.

In 1934, with no. 3 of volume 103, Curt Elze became the editor and the full title of the Journal became simply Zeitschrift für Anatomie und Entwicklungsgeschichte. From volume 116 to volume 121 Elze shared the editing work with K. Zeiger and from volume 122 to volume 126 with R. Ortmann. With volume 126 Ortmann became the Managing Editor and was soon joined (volume 127) by an international Editorial Board consisting of J. Dankmeijer, K. Fleischhauer, H. Frick, B. Kummer, M. Okamoto, S.L. Palay, K. Theiler and F. Walberg. In 1974, a subtitle Journal of Anatomy and Embryology was introduced but used for two volumes only. From volume 146 the primary title became Anatomy and Embryology. In 1974 G. Raisman replaced J. Dankmeijer on the Editorial Board. In 1978, with volume 155, K. Fleischhauer and S.L. Palay became the Managing Editors and the Editorial Board consisted in addition of R. Bellairs, G. Burnstock, N. Le Douarin, H.-R. Duncker, W.-G. Forssmann, M.D. Gershon, K. Hama, W. Kriz, R. Nieuwenhuys, K. Theiler and F. Walberg. Beginning with volume 171, 1985 the Managing Editors were: R. Bellairs, K. Fleischhauer, W.-G. Forssmann, W. Kriz, S.L. Palay, F. Walberg. Editors: G. Burnstock, B. Christ, N. Le Douarin, H.-R. Duncker, M.D. Gershon, K. Hama, E. Mugnaini, R. Nieuwenhuys, and K. Zilles.

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